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ROCOL SAFE STEP™ SELF ADHESIVE SLIP RESISTANT SURFACES Technical Data & Application Instructions

Description

ROCOL Safe Step™ Self Adhesive Slip Resistant Surfaces comprise of a mineral coated plastic film treated on one side with a pressure sensitive adhesive, protected by a removable liner.

ROCOL Safe Step™ Self Adhesive Slip Resistant Surfaces provide a hard wearing, slip resistant surface, for application to concrete, masonry, wood, ceramic tiles and metal etc., both inside and out.

Technical Data (Typical)

Unit Size:	Available in rolls of widths between 25 - 150mm and in various sizes as pre-cut Treads & Tiles.
Colour:	Black
Mineral particles	Silicon Carbide
Particle size:	180 - 300 microns
Hardness:	mohs scale 9
Bonding Medium:	Copolymer Adhesive
Weight of Product:	800 - 850 g/sq. mtr
Break Strength (ASTM D882):	6500 lbs/sq inch 26 lbs/inch of width
Shear Resistance (PSTCTM):	2 lbs/sq inch after 500+ hours
Removal of film:	Maximum 164 N/m
Adhesive thickness:	100± 10 microns
Application temperature:	Above 5°C
Heat Resistance:	-20 to 90°C
Chemical Resistance: (Incidental contact)	Good resistance to water, motor oil, hydraulic fluid, detergent, petrol, diesel
TRRL Slip Resistance Values:	
Dry:	89
Wet:	45
Oily:	35
Shelf Life:	2 years
Suitable Application:	Internal & External

ROCOL Site Safety Systems

ROCOL House, Swillington, LEEDS LS26 8BS Telephone: 0113 232 2800 Fax: 0113 232 2850
ROCOL Site Safety Systems is a division of ITW Ltd. Registered Office: PO Box 87, Queensway, Fforestfach, Swansea SA5 4YE
Registered Company No. 559693 VAT No. 742 0530 69
WWW.ocol.com



Surface Preparation

All surfaces must be clean, dry and free from oil, grease, petrol, waxes and loosely adhered material prior to application of **ROCOL Safe Step™ Self Adhesive Slip Resistant Surfaces**.

Metal: Rust and paint should be removed to ensure proper adhesion between the primer and the surface.

Wood: Should be smooth, sound and dust free.

Concrete and Masonry: Must be sound and non - crumbling, with no dust or grit present. Very hard ultra smooth surfaces may need to be treated to provide a suitable key and all concrete should be at least 28 days old.

Application

Priming - to achieve the best possible bond. It is recommended that the surface is first treated with **ROCOL Strong Bond** before applying the self adhesive surfaces. After priming, a drying time of at least 20 minutes should be allowed prior to laying the self adhesive surfaces.

Laying - remove the backing paper and accurately position the adhesive surface. Start laying at one end and using firm pressure work towards the other end, without trapping air bubbles. A hard rubber or wooden roller may be of assistance should there be any trapped air bubbles these can be punctured and pressed down.

Once the **ROCOL Safe Step™ Self Adhesive Slip Resistant Surfaces** are in place, they are immediately ready for use.

Applying ROCOL Safe Step™ Self Adhesive Slip Resistant Surfaces

There are some surfaces to which it may be difficult to apply **ROCOL Safe Step™ Self Adhesive Slip Resistant Surfaces** or some that you may be unsure as to the compatibility - for example Alkyd or Epoxy resin coatings may have "waxy" ingredients which resist adhesives bonding them, some concretes may contain "anti-freeze" or silicone additives which may repel adhesives.

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As there are so many variables it is impossible to legislate for every eventuality but as a rule of thumb, IF YOU ARE UNSURE, TEST IT!

A Standard Test

Routine would be to apply a piece of **ROCOL Safe Step™ Self Adhesive Slip Resistant Surfaces** to a clean, dry surface in a normal traffic area and leave for a minimum of 7 days - if after this time it is still securely applied, the surface should be satisfactorily compatible.

Porous surfaces - untreated concrete, bare wood, unglazed quarry tiles should be prepared as above and the surface primed with **ROCOL Strong Bond**. When applying to quarry tiles do not apply over grout. Apply **ROCOL Safe Step™ Self Adhesive Tiles** over quarry tile surfaces only.

In areas where any liquid or moisture is normally present, eg. external applications, prepare the surface with **ROCOL Strong Bond** and always apply **ROCOL Edge Sealer** (see separate Technical Data Sheets).

Edge Fixing

To prevent the possible ingress of fluids around the edges, it is advisable to seal these with **ROCOL Edge Sealer** before use.

Using the tapered nozzles provided, apply a bead of edge sealer around the edges making sure that edge contact is made with both the substrate and the slip resistant self adhesive surface. Leave to dry for a minimum of 6 hours before putting into service.

Do not apply **ROCOL Safe Step™ Self Adhesive Slip Resistant Surfaces** to plasticised or vinyl floor coverings.

Surface Maintenance

It is essential that **ROCOL Safe Step™ Self Adhesive Slip Resistant Surfaces** are regularly cleaned to maximise anti-slip performance. Under normal conditions periodically sweeping with a stiff brush is all that should be required. For heavily soiled surfaces the use of a water based biodegradable detergent cleaner may be used in conjunction with a fibre bristled brush. After cleaning, thoroughly rinse with clean water and allow to dry before use.

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Health & Safety

Refer to Health & Safety Data Sheet before use. If further copies are required please contact ROCOL Site Safety Systems, ROCOL House, Swillington, LEEDS LS26 8BS
Tel: 0113 232 2800 or dial our Fax-Back facility on 0113 232 2772.

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